Title (en)
MEASURING UNIT FOR DETERMINING THE COMPOSITION OF THE LIQUID PHASE IN A MULTI-PHASE MIXTURE

Title (de)
MESSVORRICHTUNG ZUR BESTIMMUNG DER ZUSAMMENSETZUNG DER FLÜSSIGPHASE IN EINER MEHRPHASENMISCHUNG

Title (fr)
UNITÉ DE MESURE POUR DÉTERMINER LA COMPOSITION DE LA PHASE LIQUIDE DANS UN MÉLANGE À PHASES MULTIPLES

Publication
EP 2810060 A1 20141210 (EN)

Application
EP 13710003 A 20130201

Priority
- IT VI20120029 A 20120203
- IB 2013000134 W 20130201

Abstract (en)
[origin: WO2013114194A1] Measuring device (1; 15) for determining the composition of the liquid phase of a liquid-gas mixture, comprising a duct (2) defining a flow direction (X) of the mixture parallel to the longitudinal development axis (Y) of the duct (2) and a measuring element (4) arranged in the duct (2) and suited to determine the composition of a liquid layer that flows in contact with the internal surface (3) of the duct (2). The internal surface (3) of the duct (2) comprises an intercepting surface (5, 5') suited to convey part of the liquid layer towards the measuring element (4), arranged so that it is incident on the flow direction (X) and developed according to a conveyance trajectory that has a helical section and whose tangent to the outlet end (7, 7') intersects the measuring element (4).

IPC 8 full level
G01N 29/22 (2006.01); **G01N 33/28** (2006.01)

CPC (source: EP US)
G01N 21/17 (2013.01 - US); **G01N 29/222** (2013.01 - EP US); **G01N 33/2823** (2013.01 - EP US); **G01N 33/2835** (2013.01 - EP US); G01N 2201/0256 (2013.01 - US)

Citation (search report)
See references of WO 2013114194A1

Cited by
US10059084B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2013114194 A1 20130808; CA 2863767 A1 20130808; CA 2863767 C 20151222; EP 2810060 A1 20141210; EP 2810060 B1 20151209; IT VI20120029 A1 20130804; MX 2014009212 A 20140901; MX 348724 B 20170627; US 2015000383 A1 20150101; US 9588096 B2 20170307

DOCDB simple family (application)
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